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Topology of the hydrophobic membrane-bound components of the histidine periplasmic permease. Comparison with other members of the family. [PDF] from jbc.org

RE Kempola, GF Ames - Journal of Biological Chemistry, 1992 - ASBMB  
... The histidine permease of *S. typhimurium* is a well characterized periplasmic permease composed of the periplasmic **histidine-binding** protein, HisJ, the ... 0.3 mM histidine, 0.05 mM thiamine, 50 pg/ml ampicillin (TA3964) or with 0.4% glucose, 0.1 mM **tryptophan**, 0.05 mM thia ...  
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Linkage map of *Salmonella typhimurium*, edition VII. [HTML] from nih.gov

KE Sanderson... - Microbiology and Molecular Biology ... 1988 - Am Soc Microbiol  
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The crystal structures of the oligopeptide-binding protein OppA complexed with tripeptide and tetrapeptide ligands

JRH Tame, EJ Dodson, G Murshudov, CF Higgins... - Structure, 1995 - Elsevier  
... protein (ABP) [8], galactose/glucose-binding protein (GGBP) [9 and 10], ribose-binding protein (RBP) [11], sulphate-binding protein (SBP) [12], the leucine- and leucine-isoleucine-valine-binding proteins (LBP) and (LIVBP) [13 and 14], and **histidine-binding** protein (HBP) [15 ...  
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Spermidine-preferential uptake system in *Escherichia coli* [HTML] from jbc.org

K Kashiwagi, R Pistocchi, S Shibuya... - Journal of Biological Chemistry, 1996 - ASBMB  
... Furthermore, structure/function analysis of **histidine-binding** protein was performed with several mutated **histidine-binding** proteins(32, 33). ... ( ) The mutated PotD protein W255L contains leucine instead of **tryptophan** at position 255. Received January 22, 1996. ...  
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Linkage map of *Salmonella typhimurium*, Edition VI. [PDF] from nih.gov

KE Sanderson... - Microbiology and Molecular Biology ... 1983 - Am Soc Microbiol  
Page 1. MICROBIOLOGICAL REVIEWS, Sept. 1983, p. 410-453 0146-0749/83/030410\$02.00/0. Copyright © 1983, American Society for Microbiology Linkage Map of *Salmonella typhimurium*, Edition VI KE SANDERSON,\* AND ...  
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Copper-ligand interactions and physiological free radical processes. Part 3. Influence of histidine, salicylic acid and anthranilic acid on copper-driven Fenton chemistry ...

S Gaubert, M Bouchaut, V Brumas... - Free radical ... 2000 - informahealthcare.com  
... In ML2, one of the two available car-boxyl groups is considered to coordinate copper (one **histidine binding** in the ML mode, the other ... The strong decrease in the copper-mediated oxidation of **tryptophan** recently reported to occur as a function of **tryptophan** concentration [35] is ...  
Cited by 8 - Related articles - BL Direct - All 5 versions

Uniform and selective deuteration in two-dimensional NMR of proteins

DM LeMaster - Annual review of biophysics and biophysical chemistry, 1990 - annualreviews.org  
... for preparing various deuterated aromatic amino acids were developed (28, 51, 56, 68) and applied to the study of various proteins such as dihydrofolate reductase (10, 22, 23), lac repressor (52), phage A repressor (67), **histidine binding** protein (13), and **tryptophan** synthase IX ...  
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Isolation and characterization of a *Pseudomonas aeruginosa* PAO mutant defective in the structural gene for the LIVAT-binding protein. [PDF] from nih.gov

T Hoshino... - Journal of bacteriology, 1982 - Am Soc Microbiol  
... Kikuchi collection Anabolic markers: his, histidine; ilv, isoleucine, valine; leu, leucine; met, methionine; pro, proline; pur, purine; thr, threonine; trp, **tryptophan**. Catabolic markers: ben, benzoate; cat, catechol; cnu, carnosine; hex, hexose; opu, ornithine; puu, purine; tyu, tyrosine. ...  
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Preparation and characterization of a pentaammineruthenium (III) derivative of horse heart ferricytochrome c [PDF] from pnas.org Full View

KM Yocum, JB Shelton, JR Shelton... - Proceedings of the National Academy of Sciences, 1982 - National Acad Sciences  
... (ruthenium-**histidine binding**/modified cytochromes ... 3). In the 300-nm chromatogram of native protein, only the peaks corresponding to the T10(**tryptophan** containing) and T4 (heme containing) peptides are evident but, in addition, a new peak at an elution volume of =60 ml is ...  
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Isolation of F' plasmids carrying a portion of the *Salmonella typhimurium* histidine transport operon. [PDF] from nih.gov

KG Lawton, HW Taber - Journal of bacteriology, 1984 - Am Soc Microbiol  
... The periplasmic **histidine-binding** J protein is a product of the hisJ gene (2), and the P protein,

which has been shown to be a ... Minimal E plates were supplemented with L-tyrosine, L-phenylalanine, and L- **tryptophan** to assay for chromosome transfer in the direction of purF. ...

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